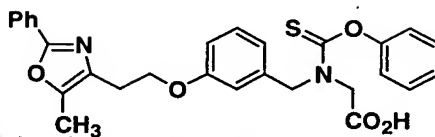
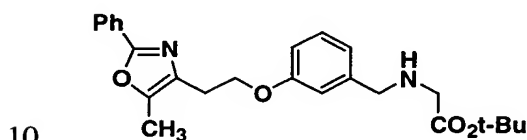


Example 309

5

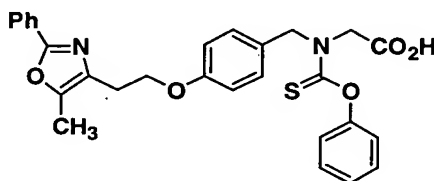
To a mixture of phenyl chlorothionoformate (11 mg, 0.063 mmol) and triethylamine (6.5 mg, 0.063 mmol) was added a solution of the amino-tert-butyl ester (20 mg, 0.053 mmol),



(prepared as described in Example 7 Part B) in  $\text{CH}_2\text{Cl}_2$  (1 mL). The reaction was stirred at RT for 15 min and the mixture was concentrated *in vacuo* to give the crude thionocarbamate tert-butyl ester. This material  
15 was dissolved in aqueous LiOH (0.50 mL of a 1.0 M solution) and THF (2 mL) and stirred at RT for 5 h. The solution was concentrated in *vacuo* to give the crude acid as an oil. The crude product was purified using preparative HPLC to afford the desired title product (10  
20 mg; 38%).  $[\text{M} + \text{H}]^+ = 503.2$

Example 310

The corresponding thiocarbamate in the 1,4 series was prepared in the same manner as described for Example  
25 309.



$[\text{M} + \text{H}]^+ = 503.2$